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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/530,746B

DATE: 07/19/2002 P.6

TIME: 14:34:47

Input Set : A:\1803-277-999.txt

Output Set: N:\CRF3\07192002\I530746B.raw

4 <110> APPLICANT: Kessler, Christoph
 5 Haberhausen, Gerd
 6 Bartl, Knut
 7 Orum, Henrik
 9 <120> TITLE OF INVENTION: SPECIFIC AND SENSITIVE METHOD FOR DETECTING NUCLEIC ACIDS
 12 <130> FILE REFERENCE: 4817/QQ
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/530,746B
 C--> 15 <141> CURRENT FILING DATE: 2000-11-16
 17 <160> NUMBER OF SEQ ID NOS: 95
 19 <170> SOFTWARE: PatentIn Version 3.1
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 24
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Artificial Sequence
 26 <220> FEATURE:
 27 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
 29 <400> SEQUENCE: 1
 30 qcagaaaagcg tctagccatg gcgt 24
 33 <210> SEQ ID NO: 2
 34 <211> LENGTH: 24
 35 <212> TYPE: DNA
 36 <213> ORGANISM: Artificial Sequence
 38 <220> FEATURE:
 39 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
 41 <400> SEQUENCE: 2
 42 ctcgcgaagca ccctatcagg cagt 24
 45 <210> SEQ ID NO: 3
 46 <211> LENGTH: 20
 47 <212> TYPE: DNA
 48 <213> ORGANISM: Artificial Sequence
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
 53 <400> SEQUENCE: 3
 54 aqtatgtgtg tcgtgcagcc 20
 57 <210> SEQ ID NO: 4
 58 <211> LENGTH: 18
 59 <212> TYPE: DNA
 60 <213> ORGANISM: Artificial Sequence
 62 <220> FEATURE:
 63 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
 65 <400> SEQUENCE: 4
 66 tggtctccc gggagtg 18
 69 <210> SEQ ID NO: 5

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71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial Sequence
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75 <223> OTHER INFORMATION: Description of Artificial Sequence: probe
77 <400> SEQUENCE: 5
78 ctccaggacc cc 12
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 48
83 <212> TYPE: DNA
84 <213> ORGANISM: HCV
86 <400> SEQUENCE: 6
87 agtatgagtgcgtgcagcc tccaggaccc cccctccgg gagagcca 48
90 <210> SEQ ID NO: 7
91 <211> LENGTH: 48
92 <212> TYPE: DNA
93 <213> ORGANISM: Homo sapiens
95 <400> SEQUENCE: 7
96 agtatgtgtgcgtgcagcc tccaggaccc ccactccgg gagagcca 48
99 <210> SEQ ID NO: 8
100 <211> LENGTH: 59
101 <212> TYPE: DNA
102 <213> ORGANISM: HCV
104 <400> SEQUENCE: 8
105 gtactgcctg atagggtgct tgcgagtgcc ccggggaggtc tcgttagaccc tgccaccatg 59
108 <210> SEQ ID NO: 9
109 <211> LENGTH: 59
110 <212> TYPE: DNA
111 <213> ORGANISM: HGBV-B
113 <400> SEQUENCE: 9
114 gtactgcctg atagggtcct tgcgaggggta tctgggagtc tcgttagaccc tagcacatg 59
117 <210> SEQ ID NO: 10
118 <211> LENGTH: 19
119 <212> TYPE: DNA
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122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
125 <400> SEQUENCE: 10
126 ccaaggacccc cactccgg 19
129 <210> SEQ ID NO: 11
130 <211> LENGTH: 20
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
137 <400> SEQUENCE: 11
138 tccaggaccc ccactccgg 20
141 <210> SEQ ID NO: 12
142 <211> LENGTH: 16

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143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
149 <400> SEQUENCE: 12
150 ccaggacccc cactcc 16
153 <210> SEQ ID NO: 13
154 <211> LENGTH: 48
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
161 <400> SEQUENCE: 13
162 agtatgagtg tcgtgcagcc tccaggcccc cccctccgg gagagcca 48
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168 <213> ORGANISM: Artificial Sequence
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177 <210> SEQ ID NO: 15
178 <211> LENGTH: 17
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180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
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186 tcgtgcagcc tccagga 17
189 <210> SEQ ID NO: 16
190 <211> LENGTH: 18
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
197 <400> SEQUENCE: 16
198 caactccgg gagagcca 18
201 <210> SEQ ID NO: 17
202 <211> LENGTH: 21
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
209 <400> SEQUENCE: 17
210 cqtaactgcct gatagggtgc t 21
213 <210> SEQ ID NO: 18
214 <211> LENGTH: 23
215 <212> TYPE: DNA

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Input Set : A:\1803-277-999.txt
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216 <213> ORGANISM Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
221 <400> SEQUENCE 18
222 gmatqtgcta mggtmtamga gac 23
225 <210> SEQ ID NO: 19
226 <211> LENGTH: 21
227 <212> TYPE: DNA
228 <213> ORGANISM Artificial Sequence
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233 <400> SEQUENCE: 19
234 cgtactgcct gatagggttg c 21
237 <210> SEQ ID NO: 20
238 <211> LENGTH: 23
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
245 <400> SEQUENCE: 20
246 gmatgtgma mggtmtamga gac 23
249 <210> SEQ ID NO: 21
250 <211> LENGTH: 21
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
257 <220> FEATURE:
W--> 258 <221> NAME/KEY: modified base
259 <222> LOCATION: 11,19
260 <223> OTHER INFORMATION: n=i
262 <400> SEQUENCE: 21
W--> 263 cgtactgcct natagggtnc t 21
266 <210> SEQ ID NO: 22
267 <211> LENGTH: 23
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
274 <220> FEATURE:
W--> 275 <221> NAME/KEY: modified base
276 <222> LOCATION: 19
277 <223> OTHER INFORMATION: n=i
279 <400> SEQUENCE: 22
W--> 280 gmatgtgma mggtmtdmnd gdc 23
283 <210> SEQ ID NO: 23
284 <211> LENGTH: 20
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence

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Input Set : A:\1803-277-999.txt
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258 <220> FEATURE:
 259 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
 261 <220> FEATURE:
W--> 292 <221> NAME/KEY: modified base 20
 293 <222> LOCATION: 11,19
 294 <223> OTHER INFORMATION: n=i
 296 <400> SEQUENCE: 23
W--> 297 cgtactgcct natagggtnc 20
 300 <210> SEQ ID NO: 24
 301 <211> LENGTH: 21
 302 <212> TYPE: DNA
 303 <213> ORGANISM: Artificial Sequence
 305 <220> FEATURE:
 306 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
 308 <220> FEATURE:
W--> 309 <221> NAME/KEY: modified base 21
 310 <222> LOCATION: 11,19
 311 <223> OTHER INFORMATION: n=i
 313 <400> SEQUENCE: 24
W--> 314 cgtamtgmmmt natagggtnm t 21
 317 <210> SEQ ID NO: 25
 318 <211> LENGTH: 23
 319 <212> TYPE: DNA
 320 <213> ORGANISM: Artificial Sequence
 322 <220> FEATURE:
 323 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
 325 <220> FEATURE:
W--> 326 <221> NAME/KEY: modified base 22
 327 <222> LOCATION: 19
 328 <223> OTHER INFORMATION: n=i
 330 <220> FEATURE:
W--> 331 <221> NAME/KEY: modified base 23
 332 <222> LOCATION: 6,8,9
 333 <223> OTHER INFORMATION: n=p
 335 <400> SEQUENCE: 25
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 339 <210> SEQ ID NO: 26
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 341 <212> TYPE: DNA
 342 <213> ORGANISM: Artificial Sequence
 344 <220> FEATURE:
 345 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
 347 <220> FEATURE:
W--> 348 <221> NAME/KEY: modified base 24
 349 <222> LOCATION: 11,19
 350 <223> OTHER INFORMATION: n=i
 353 <400> SEQUENCE: 26
W--> 354 cgtamtgmmmt natagggtnm 20
 357 <210> SEQ ID NO: 27

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/530,746B

DATE: 07/19/2002
TIME: 14:34:48

Input Set : A:\1803-277-999.txt
Output Set: N:\CRF3\07192002\I530746B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; N Pos. 11,19
Seq#:22; N Pos. 19
Seq#:23; N Pos. 11,19
Seq#:24; N Pos. 11,19
Seq#:25; N Pos. 6,8,9,19
Seq#:26; N Pos. 11,19
Seq#:28; N Pos. 11,19
Seq#:29; N Pos. 19
Seq#:30; N Pos. 11,19
Seq#:31; N Pos. 19,24
Seq#:32; N Pos. 6,8,9,19
Seq#:35; N Pos. 11
Seq#:36; N Pos. 13,19
Seq#:37; N Pos. 19,24
Seq#:38; N Pos. 19,24
Seq#:39; N Pos. 11
Seq#:40; N Pos. 6,8,9,13,19,24
Seq#:41; N Pos. 6,8,9,19,24
Seq#:43; N Pos. 17
Seq#:44; N Pos. 17
Seq#:45; N Pos. 6,8,9,17
Seq#:47; N Pos. 17
Seq#:48; N Pos. 17
Seq#:49; N Pos. 6,8,9,17

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/530,746B

DATE: 07/19/2002

TIME: 14:34:48

Input Set : A:\1803-277-999.txt

Output Set: N:\CRF3\07192002\I530746B.raw

L 14 M:270 C: Current Application Number differs. Replaced Current Application Number
 L 15 M:271 C: Current Filing Date differs. Replaced Current Filing Date
 L:258 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:21
 L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
 L:275 M:257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:22
 L:280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
 L:292 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:23
 L:297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
 L:309 M:257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:24
 L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
 L:326 M:257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:25
 L:331 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:25
 L:336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
 L:348 M:257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:26
 L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
 L:378 M:257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:28
 L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
 L:396 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:29
 L:402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
 L:415 M:257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:30
 L:420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
 L:432 M:257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:31
 L:437 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:31
 L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
 L:455 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:32
 L:461 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:32
 L:466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
 L:502 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:35
 L:507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
 L:519 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:36
 L:524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
 L:536 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:37
 L:541 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:37
 L:547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
 L:559 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:38
 L:564 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:38
 L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
 L:581 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:39
 L:586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
 L:599 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:40
 L:604 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:40
 L:609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
 L:621 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:41
 L:626 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:41
 L:631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
 L:655 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:43
 L:660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
 L:672 M: 257 W: Feature value mis-spelled or invalid. <221> Name/Key for SEQ ID#:44

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Input Set : A:\1803-277-999.txt

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L:677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:691 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:45
L:696 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:45
L:702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:726 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47
L:731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:743 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48
L:748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:760 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49
L:765 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49
L:770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0